

AMENDMENTS TO THE SPECIFICATION:

Please insert the following paragraph after the title and before the first paragraph of the specification:

This application is a divisional application of U.S. Application No. 09/907,619 entitled ULTRA-LOW CARBON STEEL SHEET AND A METHOD FOR ITS MANUFACTURE, filed on November 21, 2001, the entire content of which is hereby incorporated by reference.

Please replace Table 2 beginning on page 17 and ending on page 17, with the following:

TABLE 2

Steel No	Refining Conditions			Slab	Casting Conditions	Slab	Hot Rolling Conditions				Cold Rolling Conditions		Classification
	Secondary Refining Apparatus	D/O ₂	FeO ₂ MnO (mass %)	Number of cluster-type inclusions (number/10kg)	Throughput (Ton/min)	Number of spheroidal inclusions (number/10kg)	Hot rolling temp (°C)	Temperature Holding	Finishing temp (°C)	Coiling temp (°C)	Annealing type	Annealing temp (°C)	
1a	RH	—	8.0	8070	3.9	220	1120	None	920	680	CAL	810	Present Invention
1b					5.7	860	1140	None	930	680	CAL	811	Comparative
1c					3.9	220	1040	Rough bar heater	900	680	CAL	810	Present Invention
1d					3.9	220	1040	None	850	680	CAL	810	Comparative
2a	RH	—	3.5	4210	4.4	236	1100	None	930	580	CGL	830	Present Invention
2b					4.4	236	1100	None	910	580	BAF	700	Present Invention
2c					5.2	630	1100	None	930	580	CGL	830	Comparative
2d					5.2	630	1100	None	930	580	BAF	710	Comparative
3a	RH	—	18.0	38000	2.8	121	1080	None	900	610	CAL	800	Comparative
4a	RH	—	5.5	8030	3.6	134	1090	None	900	610	CAL	800	Present Invention
5a	RH	—	14.0	14600	2.6	108	1160	None	890	710	CGL	820	Present Invention
5b					2.6	108	1060	Rough bar heater	900	710	CGL	820	Present Invention
5c					2.6	108	1060	Rough bar heater	900	400	CGL	820	Comparative
6a					5.4	32	880	None	880	650	CAL	780	Comparative
7a	RH	—	12.0	13080	5.3	490	1120	None	920	650	CGL	800	Comparative
7b					3	135	1100	None	920	650	CGL	800	Comparative
8a	RH	—	22.0	56500	4.1	210	1050	Rough bar heater	950	700	CGL	820	Comparative
9a	Single-Tube immersion pipe	0.40	12.1	13100	4.2	280	1080	None	910	600	CAL	800	Present Invention
9b					5.2	495	1080	None	910	600	CAL	800	Comparative
10a	Single-Tube immersion pipe	0.48	10.3	10800	3.0	158	980	Rough bar heater	900	560	CGL	800	Present Invention
10b					5.4	710	980	Rough bar heater	900	560	CGL	800	Comparative
11a	Single-Tube immersion pipe	0.55	3.3	2600	2.5	140	1080	None	900	680	CCA	830	Present Invention
11b					5.6	750	1080	None	900	680	CAL	830	Comparative
12a	Single-Tube immersion pipe	0.62	3.3	2100	3.8	110	1040	None	920	650	CGL	830	Present Invention
12b					5.2	530	1040	None	920	650	CGL	830	Comparative
13	Single-Tube immersion pipe	0.71	3.1	1300	4.3	230	1060	None	900	560	BAF	700	Present Invention
13b					5.7	770	1060	None	900	560	BAF	700	Comparative

Notes:

Rough bar heater: This was an apparatus for carrying out heating or a short period of temperature holding after rough rolling during hot rolling
 BAF: batch annealing CAL: continuous annealing CGL: continuous hot dip galvanizing

Please replace Table 3 beginning on page 18 and ending on page 18, with
the following:

TABLE 3

Steel		Product Properties										Classification
No	Type of Product	Number of observed inclusions	Sheet thickness (mm)	Y P (N/mm ²)	T S (N/mm ²)	E L (%)	r-value	Rate of forming defects (%)	Cause of forming defects			
1a	Electroplated plate	12	0.70	144	310	48	1.9	0	—	⊙ Present Invention		
1b	Electroplated plate	29	0.70	135	305	48	1.9	3.1**	pin holes	△ Comparative		
1c	Cold Rolled plate	8	0.65	135	308	47	2.0	0	—	⊙ Present Invention		
1d	Cold Rolled plate	11	0.65	122	267	41	1.2**	23.0**	drawing cracks	○ Comparative		
2a	Molten-Metal-Coated plate	7	0.75	126	297	50	2.0	0	—	⊙ Present Invention		
2b	Cold Rolled plate	3	0.90	153	317	45	1.7	0	—	⊙ Present Invention		
2c	Molten-Metal-Coated plate	38	0.75	131	301	49	2.0	7.2**	pin holes	△ Comparative		
2d	Cold Rolled plate	56	0.90	144	312	47	1.7	2.3**	pin holes	△ Comparative		
3a	Cold Rolled plate	131	0.70	210	353	42	1.7	12.0**	pin holes	△ Comparative		
4a	Cold Rolled plate	8	0.70	221	358	41	1.8	0	—	⊙ Present Invention		
5a	Molten-Metal-Coated plate	16	1.40	306	453	34	1.8	0	—	⊙ Present Invention		
5b	Molten-Metal-Coated plate	10	1.40	310	451	33	1.7	0	—	⊙ Present Invention		
5c	Molten-Metal-Coated plate	5	1.40	380	501	27	1.3**	31.0**	drawing cracks	○ Comparative		
6a	Cold Rolled plate	8	0.50	230	344	36	1.1**	58.0**	drawing cracks	× Comparative		
7a	Molten-Metal-Coated plate	83	1.20	228	342	46	1.3**	35.0**	pin holes, drawing cracks	×、△ Comparative		
7b	Molten-Metal-Coated plate	13	1.20	231	338	47	1.3**	24.0**	drawing cracks	× Comparative		
8a	Molten-Metal-Coated plate	77	1.60	398	520	27	1.2**	85.0**	pin holes, drawing cracks	×、△ Comparative		
9a	Electroplated plate	15	0.90	121	288	51	2.1	0	—	⊙ Present Invention		
9b	Electroplated plate	48	0.90	123	290	51	2.1	4.2**	pin holes	△ Comparative		
10a	Molten-Metal-Coated plate	13	0.65	133	296	49	2.0	0	—	⊙ Present Invention		
10b	Molten-Metal-Coated plate	88	0.65	131	298	50	2.0	4.5**	pin holes	△ Comparative		
11a	Cold Rolled plate	10	0.45	118	277	51	2.3	0	—	⊙ Present Invention		
11b	Cold Rolled plate	200	0.45	125	280	49	2.3	3.0**	pin holes	△ Comparative		
12a	Molten-Metal-Coated plate	7	0.65	133	308	50	2.2	0	—	⊙ Present Invention		
12b	Molten-Metal-Coated plate	75	0.65	132	305	51	2.3	2.5**	pin holes	△ Comparative		
13a	Cold Rolled plate	3	0.90	134	308	48	1.9	0	—	⊙ Present Invention		
13b	Cold Rolled plate	124	0.90	138	305	49	2.0	1.7**	pin holes	△ Comparative		

Note:

** : Did not satisfy target properties

Classification: Classification:

⊙ : Present invention, ○ : Unacceptable rolling conditions conditions, △ : Unacceptable steel manufacturing conditions manufacturing conditions,

× : Unacceptable composition